

ROUTE NO.	SECTION	COL	INTY	TOTAL SHEETS	SHEET NO.
FAP 308	904-BY-18RIO	CARR	OLL.	40	13
FED. RGAD DIST.	NO. 7	ILL.194018	PEO. AID PR	DJECT-	

SHEET NO. 19 SHEETS

GENERAL NOTES

A Corrosion inhibitor, as covered in the Special Provisions, shall be used in the concrete or precast prestressed concrete deck beams.

Contract #64D14

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

The contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

The minimum thickness of the concrete overlay shall be 5" and varies as required to adjust for the profile grade and camber.

If the contractor's procedures for existing beam removal or placement of new beams involves placement of heavy equipment on the new or existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Superstructures.

No in-stream work will be allowed on this project.

**APPROVED** FOR STRUCTURAL ADEQUACY ONLY

Ralph E anderson ENGINEER OF BRIDGES AND STRUCTURES



## TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub. Abuts.	Total
Removal of Existing Superstructures	Each	1		1
Concrete Structures	Cu. Yd.	5.0		5.0
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	<i>141</i> 9		1419
Steel Railing, Type SM	Foot	86		86
Reinforcement Bars, Epoxy Coated	Pound	2220		2220
Bar Splicers	Each	44		44
Name Plates	Each	1		1
Concrete Wearing Surface, 5"	Sq. Yd.	157.7		157.7
Bridge Deck Grooving	Sq. Yd.	157.7		157.7
Protective Coat	Sq. Yd.	<i>157.7</i>		157.7
Preformed Joint Strip Seal	Foot	86		86
Epoxy Crack Injection	Foot		63	63 .
Asbestos Bearing Pad Removal	Each		28	28

## INDEX OF SHEETS

- General Plan & Elevation
- 2. Superstructure and Staging Details
- Deck Section and Details
- Deck Beam Details
- Preformed Joint Strip Seal & Misc. Details
- Steel Railing, Type SM with
- Concrete Wearing Surface Abutment Details
- Bar Splicer Assembly Details
- for Staged Constrbution
- Temporary Concrete Barrier

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION

IL-84 OVER A DRAINAGE DITCH FAP ROUTE 308 SECTION (104-BY-1BR)D CARROLL COUNTY STATION 566+38 STRUCTURE NO. 008-0016

SCALE: NONE DATE 10/10/07

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CHECKED BRT

DRAWN GPM

CHECKED BRT

GP-1R (04-04-05)

Base

SEISMIC DATA Overtopping 200 2518 282 282 596.4 2.14 2.14 598.54 598.54 Seismic Performance Category (SPC) = A

Bedrock Acceleration Coefficient (A) = 0.32g Site Coefficient (S) = 1.0

PRECAST PRESTRESSED UNITS f'c = 5,000 psi

f'ci = 4,000 psi

f's = 270,000 psi (1/2" \$\phi\$ low relax strands) f'si = 201,960 psi (1/2" \( \phi \) low relax strands)